SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Div. Environmental Health, 11 SHS
(207) 287-2070 FAX (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation: LAMOINE
Street or Road: SHORE ROAD
Subdivision, Lot #:

OWNER/APPLICANT INFORMATION

Name (last, first, MI): DICKEY, BILL ☒ Owner ☐ Applicant
Mailing Address of ☒ Owner ☐ Applicant: 1471 SHORE ROAD, LAMOINE, ME. 04605
Daytime Tel. # / email address:

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City: Lamoine Permit #: 1934
Date Permit Issued: 12/11/18 Fee $: 265 ☐ Double Fee Charged ( )
Rebecca Albright L.P.I. #: 994
Local Plumbing Inspector Signature
Fee: $ 265 state min. fee $ _____ Locally adopted fee
Copy: ☐ Owner ☐ Town ☒ State

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with the application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map #: 1 Lot #: 41

OWNER OR APPLICANT STATEMENT

I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a permit.

Signature of Owner or Applicant: [signature] Date: 12/6/18

CAUTION: INSPECTION REQUIRED

I have inspected the installation authorized above and found it to be in compliance with Subsurface Wastewater Disposal Rules Application. _____ (1st Date Approved)

Local Plumbing Inspector Signature _____ (2nd Date Approved)

PERMIT INFORMATION

TYPE OF APPLICATION

☐ 1. First Time System
☒ 2. Replacement System
Type Replaced: STONE TRENCH
Year Installed: PRE 1974
☐ 3. Expanded System
☐ a. Minor Expansion <25%
☐ b. Major Expansion ≥ 25%
☐ 4. Experimental System
☐ 5. Seasonal Conversion

SIZE OF PROPERTY

_____ ☐ sq. ft.
3.85 ☒ acres

SHORELAND ZONING

☐ Yes ☒ No

THIS APPLICATION REQUIRES

☒ 1. No Rule Variance
☐ 2. First Time System Variance
☐ a. Local Plumbing Inspector Approval
☐ b. State & Local Plumbing Inspector Approval
☐ 3. Replacement System Variance
☐ a. Local Plumbing Inspector Approval
☐ b. State & Local Plumbing Inspector Approval
☐ 4. Minimum Lot Size Variance
☐ 5. Seasonal Conversion Permit

DISPOSAL SYSTEM TO SERVE

☒ 1. Single Family Dwelling Unit, No. of Bedrooms: 4
☐ 2. Multiple Family Dwelling , No. of Units: _____
☐ 3. Other: (SPECIFY) _____
Current Use: ☐ Seasonal ☒ Year Round ☐ Undeveloped

DISPOSAL SYSTEM COMPONENT(S)

☒ 1. Complete Non-engineered System
☐ 2. Primitive System (graywater & alt. toilet)
☐ 3. Alternative Toilet, specify: _____
☐ 4. Non-engineered Treatment Tank (only)
☐ 5. Holding Tank, _____ gallons
☐ 6. Non-engineered Disposal Field (only)
☐ 7. Separated Laundry System
☐ 8. Complete Engineered System(2000 gpd or more)
☐ 9. Engineered Treatment Tank (only)
☐ 10. Engineered Disposal Field (only)
☐ 11. Pre-treatment, specify: _____
☐ 12. Miscellaneous components

TYPE OF WATER SUPPLY

☐ Proposed ☒ Existing
☐ 1. Drilled Well ☒ 2. Dug Well ☐ 3. Private
☐ 4. Public ☐ 5. Other: _____

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

☒ 1. Concrete (SEE NOTE PAGE 2)
☒ a. Regular
☐ b. Low Profile
☐ c. with lift station
☐ d. monolithic
☐ e. two compartment
☐ 2. Plastic
☐ 3. Other: _____
CAPACITY 1000 gallons

DISPOSAL FIELD TYPE & SIZE

☒ 1. Stone Bed ☐ 2. Stone Trench
☐ 3. Proprietary Device _____
☐ a. Cluster Array ☐ c. Linear
☐ b. Regular load ☐ d. H-20 load
☐ 4. Other: _____
SIZE 1200 ☒ sq. ft. ☐ lin. ft.

GARBAGE DISPOSAL UNIT

☒ 1. No ☐ 2. Yes ☐ 3. Maybe
If Yes or Maybe, specify one below:
☐ a. Multi-compartment Tank
☐ b. _____ Tanks in Series
☐ c. Increase in Tank Capacity
☐ d. Filter on Tank Outlet

DESIGN FLOW

360 gallons per day
BASED ON
☒ 1. Table 4A (dwelling unit(s)
☐ 2. Table 4C (other facilities)
SHOW CALCULATIONS for other facilities

SOIL DATA & DESIGN CLASS

PROFILE CONDITION
2 / C
at Observation Hole # 1
Depth 30 "
OF MOST LIMITING SOIL FACTOR

DISPOSAL FIELD SIZING

☐ 1. Medium -- 2.6 sq. ft./gpd
☒ 2. Medium-Large -- 3.3 sq. ft./gpd
☐ 3. Large -- 4.1 sq. ft./gpd
☐ 4. Extra Large -- 5.0 sq. ft./gpd

EFFLUENT/EJECTOR PUMP

☒ 1. Not Required, RAISE PIPE
☐ 2. May be Required
☒ 3. Required, AS IS.
Specify only for engineered systems
DOSE: _____ gallons

☐ 3. Section 4G (meter readings) ATTACH WATER METER DATA

LATTITUDE AND LONGITUDE

at center of disposal area
Lat. 44° d 27' m 45.5" s N
Lon. 68° d 19' m 47.7" s W
if g.p.s., state margin of error 30'+

SITE EVALUATOR STATEMENT

I certify that on 11-27-18 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Site Evaluator Signature
319 SE#
12-4-18 Date
WILLIAM A. LaBELLE, JR. Site Evaluator Name Printed
(207) 537 - 5900 Telephone Number
labelleseptic@rivah.net E-mail Address

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

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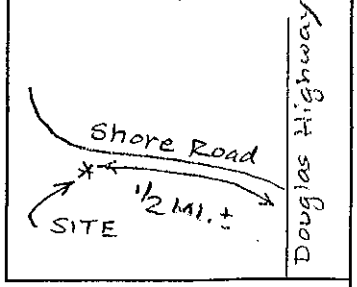
LAMOINE	SHORE ROAD	BILL DICKEY

SITE PLAN — Scale 1" = 40 Ft.

(SEE ATTACHED SITE PLAN)

SITE LOCATION PLAN
(Attach map from Maine Atlas for First Time System Variance)



TANK OPTIONS:

NOTE:

- CAN RAISE PIPE FROM HOUSE AND SET NEW TANK, (GRAVITY FEED SYSTEM).
- CAN PUMP OUT AND INSPECT CONDITION AND SIZE OF EXISTING TANK. IF IN GOOD CONDITION, REMOVE OUTLET BAFFLE AND REPLACE WITH AMERICAN CONCRETE, RETRO-FITTED PVC BAFFLE WITH OUTLET FILTER AND SET 3' PUMP TANK.
- CAN REMOVE EXISTING TANK AND PLACE NEW, 1000 GAL. SEPTIC TANK WITH LIFT STATION.

SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above or on pg. 2A)

Observation Hole #1 ■ Test Pit ☐ Boring

1/2 " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
10	VERY		DARK YELLOWISH BROWN (10YR 4/6)	N.E.
20	FINE	FRIABLE	YELLOWISH BROWN (10YR 5/6)	
30	SANDY	FIRM	BROWN	COMMON
40	LOAM		(10YR 5/3)	DISTINCT
50				

Soil Profile	Classification Condition	Slope	Limiting Factor Depth	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth
2	C	6 %	30 "	

Observation Hole #2 ■ Test Pit ☐ Boring

1/2 " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
10	VERY		DARK YELLOWISH BROWN (10YR 4/6)	N.E.
20	FINE	FRIABLE	BROWN	COMMON
30	SANDY		(10YR 5/3)	DISTINCT
40	LOAM	FIRM		
50				

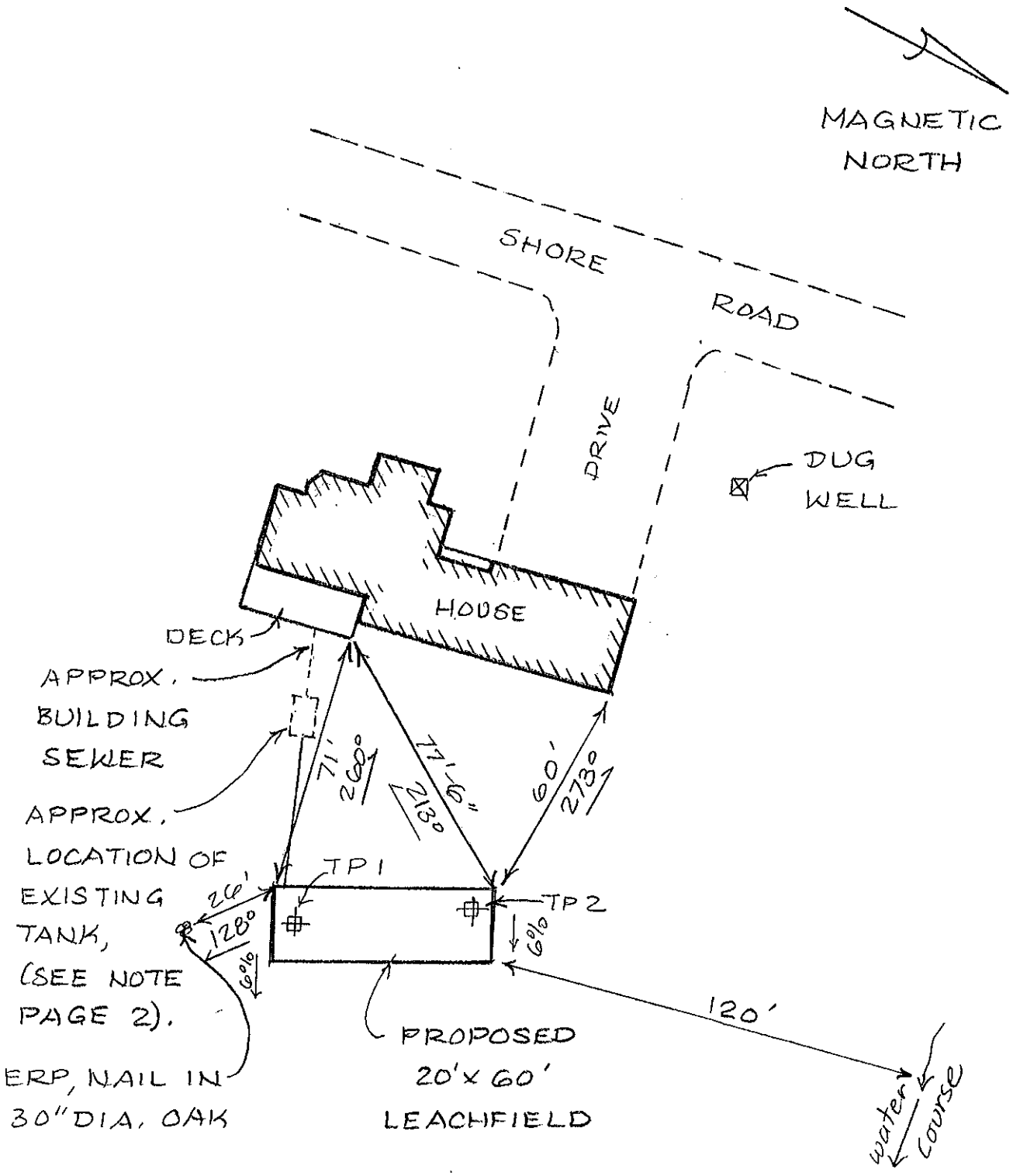
Soil Profile	Classification Condition	Slope	Limiting Factor Depth	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth
2	C	6 %	34 "	

Site Evaluator's Signature — 319 S. E. # — 12-4-18 Date

Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
LAMOINE	SHORE ROAD	BILL DICKEY

SITE PLAN:

SCALE: 1" = 40 FT.



Site Evaluator's Signature	S.E. #	Date
	319	12-4-18

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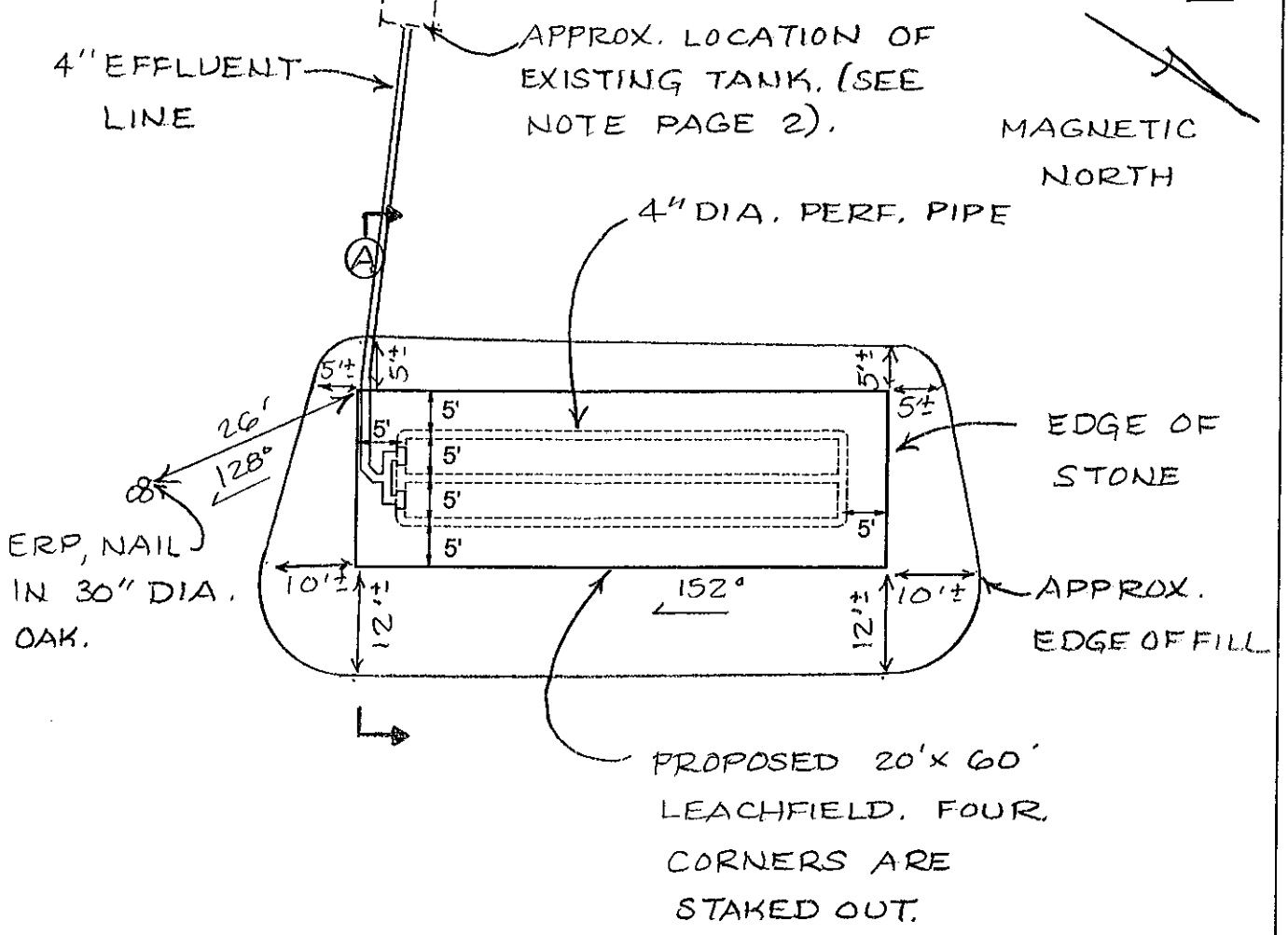
SUBSURFACE WASTEWATER DISPOSAL PLAN — SCALE: 1" = 20 FT.



FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS	SYSTEM:	PRIVY:	ELEVATION REFERENCE POINT
Depth of Backfill (Upslope)	6"	Finished Grade Elevation	CROWN -34"		Location & Description NAIL 40" ABOVE GROUND IN 30" DIA. OAK.
Depth of Backfill (Downslope)	20"	Top of Distribution Pipe or Proprietary Device	-49"	N/A	
Depths @ cross-section shown below or on X-sec. detail.		Bottom of Disposal Field	-60"		Reference Elevation is: 0"

DISPOSAL AREA CROSS SECTION (SEE ATTACHED CROSS SECTION)

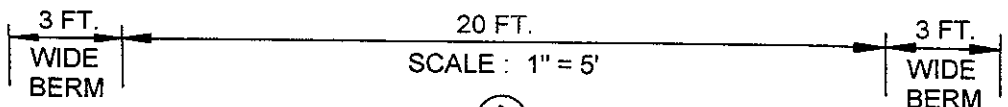
NOTES:

1. Grade surrounding area to divert surface water away from system.
2. All work done adjacent to wetlands and water bodies must be done in compliance with section 12 of the Subsurface Wastewater Disposal Rules. Erosion and sediment control measures must be in accordance with the March 2003 edition of the Maine DEP Handbook "Maine Erosion and Sediment Control BMPS" (DEPW0588).
3. Install septic tank(s) risers 18" in diameter "minimum" to within 6" of finished grade on inlet, cleanout and outlet covers (recommend extending risers to finish grade). Install risers to finish grade of appropriate size to allow pump removal on all in-tank pump chambers and separate pump tanks.
4. Protect lift stations and pump tanks from freezing.

Site Evaluator's Signature	S.E. #	Date
	319	12-4-18

20' X 60' BED

DISPOSAL BED CROSS SECTION



NOTE:
GRADE UPSLOPE TO DIVERT SURFACE WATER AWAY FROM SYSTEM, ALSO DOWNSLOPE.

(A)

FILL MATERIAL SHALL BE 8"-12" THICK OVER STONE AND SHALL BE GRAVELLY COARSE SAND TO THE STANDARDS IN SEC. 11-E IN THE SUBSURFACE RULES.

TOP 4" OF FILL TO BE A GOOD LOAM SOIL MIX TO ESTABLISH A GOOD VEGETATIVE COVER; SEED AND MULCH TO PREVENT EROSION, SEC.11-G.

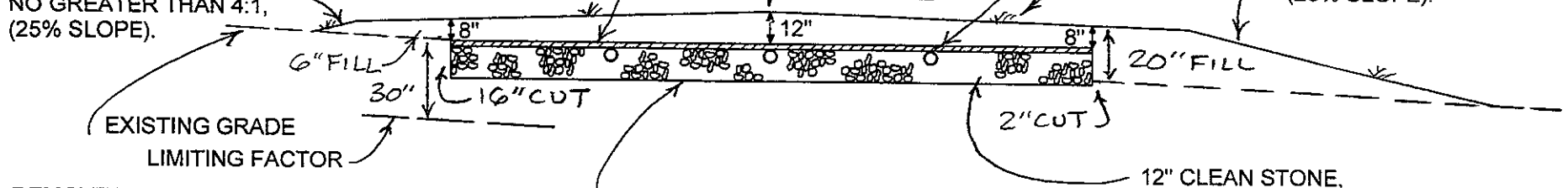
CROWN FINISH GRADE FROM CENTER AT 3 % SLOPE

2'' COMPRESSED HAY (OR FILTER FABRIC) SEC. 11-F PLACED OVER STONE.

4" PERF. PIPE, TYPICAL

FILL EXTENSIONS NO GREATER THAN 4:1, (25% SLOPE).

FILL EXTENSIONS NO GREATER THAN 4:1, (25% SLOPE).



REMOVE VEGETATION AND SCARIFY ORIGINAL SOIL UNDER ENTIRE FILL AREA, SEC. 11-B.

BOTTOM OF STONE MUST BE LEVEL WITH MAXIMUM GRADE TOLERANCE OF 2" PER 100'.

12" CLEAN STONE, (1 1/2" DIA.), UNIFORM SIZE.

THOROUGHLY MIX, DISK OR ROTO-TILL CLEAN, COARSE, SHARP SAND INTO TOP 6 INCHES OF ORIGINAL SOIL TO CREATE A TRANSITION ZONE, SEC. 11-B.

ELEVATIONS:

ELEV. REF. PT. (ERP):	0"
FINISHED GRADE:	-34" CROWN
TOP OF DISTRIBUTION PIPE:	-49"
BOTTOM OF STONE:	-60"

NOTE:
SYSTEM MUST BE INSTALLED ACCORDING TO THE RULES AND PRACTICES SET FORTH IN THE MOST CURRENT VERSION OF THE STATE OF MAINE SUBSURFACE WASTEWATER DISPOSAL RULES. INSTALLATION CONTRATOR MUST BE FAMILIAR WITH SAID RULES AND CONSTRUCT SYSTEM IN FULL COMPLIANCE WITH SECTION 11 OF SAID RULES.

OWNER: BILL DICKEY

LOCATION: LAMOINE

W. O'Leary

WILLIAM A. LaBELLE, JR.

319
S.E.#

12-4-18
DATE

DOC17